

1. NAME: UGWUNNA CHARLES OKECHUKWU
STATUS: Assistant Lecturer.

2. ABRIDGE PROFILE:

He joined the services of Federal University of Agriculture, Abeokuta as an Assistant Lecturer in 2019. He is currently the Departmental Part Time coordinator. Currently also, he is a PhD student at Nnamdi Azikiwe University Awka.

His academic interests include: Data Communication, Network Security, Simulation and Modeling (Agent Based and Epidemic Modeling). and Computer Hardware. He has applied different Deep learning techniques for detecting Malware in Communication Networks.

As an expert in Computer Networking, Mr Ugwunna is skilled in Configuration and Installation of Wireless Radio/Omni Antennas, Microtic Routers, Wireless Cloud Network/RADIOS etc

Mr Ugwunna Charles Okechuwu has several local and international journals.

He has lectured at **Kwararafa** University (the only community University in Nigeria) Wukari and Taraba State Polytechnic Jalingo. In Taraba State Polytechnic, he was the Assistant Director Management Information System 2011-2019 and he was instrumental to the hosting of the school portal tarabapoly.edu.ng among other numerous achievements.

He was also a facilitator for Consultancy and Sandwich Programmes Taraba State University Jalingo, 2014-2015 and 2018-2019 respectively.

Mr, Ugwunna a highly committed, hard working, dependable and unassuming fellow has won several awards which include the most hardworking Lecturer in Taraba State Polytechnic, Federal Road Safety Cadet Life Membership awards and many others

He is a registered member of Nigeria Computer Society (NCS). He is currently working on Development of Communication Networks' Epidemic Forecasting Models Using Synthetic Agent Based Datasets.

Mr. Ugwunna is married and blessed with God fearing Children.

3. Official email address: ugwunnaco@funaab.edu.ng

4. CURRICULUM VITAE

01. PERSONAL DATA

(i) Name in Full:	Ugwunna Charles Okechukwu
(ii) Date of Birth:	June 12, 1980
(iii) Place of Birth:	Obizi, Imo State, Nigeria
(iv) Age:	40 years
(v) Sex:	Male
(vi) Marital Status:	Married
(vii) Nationality:	Nigerian
(viii) Town and State of origin:	Obizi, Imo State
(ix) Local Government:	Ezinihitte
(x) Contact Address:	Opposite Holy Child Nursery and Primary, Sch. Obantoko Abeokuta, Ogun State
(xi) Phone Number:	08131519257, 08037921011.
(xii) E-mail Address:	ugwunnaco@funaab.edu.ng

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| (xiii) Present Employer | Federal University of Agriculture, Abeokuta,
Nigeria |
| (xiv) Present Post and salary | Assistant Lecturer, CONUASS 02 Step 02
(1 , 419 , 241 . 32) |

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended with Date

Nnamdi Azikiwe University Awka, Anambra State (P.hD)	2018 Till date
Nnamdi Azikiwe University Awka, Anambra State (M.Sc)	2011 - 2017
National Teachers Institute Kaduna (PGD)	2008 - 2009
University of Uyo, Uyo Akwa - Ibom State (B.Sc)	1999 - 2006
Community Secondary Ikot Oku Ikono, Akwa-Ibom State (WAEC)	1993 - 1998
Community Secondary School Obokwu Obizi, Imo State (FSLC)	1985 -1989

(ii) Academic and Professional Qualification (with dates)

Doctor of Philosophy (P.hD) Computer Science (Data communication and Network Security)	in view
Master of Science (M.Sc.) <i>Computer Science</i> (Data communication and Network Security)	2017
Post Graduate Diploma in Science Education	2009
Proficient Certificate in Management	2008
Bachelor of Science (B.Sc. Hons.) Computer Science	2006
Secondary School Certificate Examination	1998
First School Leaving Certificate	1989

(iii). PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITION

- | | |
|--|------|
| a. Most Hardworking Lecturer in Computer Science Department
Taraba State Polytechnic. | 2019 |
| b. Most Dedicated Corp Member NYSC Batch B Award | 2008 |
| c. Federal Road Safety Commission (Taraba State Command)
Life Membership Certificate Award for leadership Quality,
Dedication to Duty, Outright Loyalty to Authority as Cadet Registrar. | 2008 |

03. WORK EXPERIENCE WITH DATES

(a). University Teachings

i University Teachings 2018/2019 Session

Course Code	Course Description	Course Unit	No of Students	Contact Hours	No Lecturers Involved	Individual contributions
CSC 214	System Analysis and Design	4	127	60	3	33.3%
CSC 218	Sequential Programming Language	2	115	60	3	33.3%
CSC 412	Simulation and Modeling	3	24	60	2	50%
CSC 392	Industrial Training	4	75	-	14	7.1%
CSC 396	SIWES Report	4	75		14	7.1%
CSC 398	Seminar	4	75		14	7.1%

ii. University Teachings 2019/2020 Session

Course Code	Course Description	Course Unit	No of Students	Contact Hours	No Lecturers Involved	Individual contributions
CSC 211/221	Computer Programming for Agric. students	2	1567	60	3	33.3%
CSC 217	Data Structures and Algorithm	3	251	60	1	100%
CSC 337	Computer Architecture	4	115	60	1	100%

	and Organization					
CSC 218	Sequential Programming Language	3	123	60	3	33.3%
CSC 216	Data Structures and Algorithm	3	1	60	1	100%
CSC 412	Simulations and Modeling	3	58	60	1	100%
CSC 499	Final Year Project	6	75	-	12	8.3%
CSC 392	Industrial Training	4	115	-	12	8.3%
CSC 394	Inspection and Visitation	4	115	-	12	8.3%
CSC 396	SIWES Report	4	115	-	12	8.3%
CSC 398	Seminar II	4	115	-	12	8.3%

(b) Professional Experience

Employer	Date
Assistant Lecturer Kawrarafa University Wukari Taraba State,	2018 - 2019
Resource person Taraba State University Sandwich Programme	2018 - 2019
Resource Person Taraba State University Consultancy Programme	2014 - 2015
Assistant Director MIS Taraba State Polytechnic Jalingo,	2011 - 2019
Lecturer Taraba State Polytechnic Jalingo,	2008 - 2019
Lecturer Taraba State Polytechnic Jalingo (NYSC),	2007 - 2008

04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE:

- a. Departmental Part-Time Coordinator 2021 Till date
- b. Secretary Igbo Catholic Community ST' Peter's Catholic. Church

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|----|---|-----------------|
| | Adatan Abeokuta | 2021- Till Date |
| c. | Chairman Taraba State Polytechnic Quarters' Light Committee | 2015 - 2018 |
| d. | Vice President Igbo Catholic Community ST' Peter's Catholic Church Jalingo | 2014- 2018 |
| e. | General Secretary Mbaise Progressive Union Jalingo Branch | 2012 - 2019 |
| f. | Departmental Examination Officer, Computer Science Department Taraba State Polytechnic Jalingo. | 2012- 2019 |
| g. | Cadet Secretary, Federal Road Safety Commission, Wukari Unit Command Taraba State, (Community Development Service), | 2007 - 2008 |
| h. | General Secretary, Nigeria Catholic Corpers Fellowship, | |
| i. | Wukari Local Government, Taraba State. | 2007 - 2008 |

05. TRAINING/ PROGRAMME ATTENDED (with dates)

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| a. | A 3- Day Academic Retreat on University Ethics, Pedagogy and Examination matters | 2021 |
| b. | Step B Training on Microprocessor and Robotic programming version1 Organized for Lecturers from Computer Science Department, Electrical Electronics, Computer Engineering and Mechanical Engineering at Taraba State Polytechnic Jalingo | 2018 |
| c. | Digital Appreciation Programme for Tertiary Institution (ADAPTI) by Nigeria Communication Commission (NCC) and Digital Bridge Institute | 2016 |
| d. | Advance Digital Appreciation Programme for Tertiary Institution (ADAPTI) by Nigeria Communication Commission (NCC) | 2014 |
| e. | A 3- Day Training for Academic Staff of Taraba State Polytechnic on the new Examination Management portal | 2013 |

06. COMMENDATION

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|----|---|------|
| a. | NYSC Letter of Commendation for Dedication to Duty During the NYSC Service Year | 2008 |
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07. MEMBERSHIP OF PROFESSIONAL BODIES

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|----|---|
| a. | Nigeria Computer Society (Reg. No. 11648) |
| b. | Nigeria Institute of Management (Chartered) |

08. RESEARCH INTEREST OR COMMISIONED PROJECTS

(i) Research Interest

My research interest includes the following:

Data Communication

Network Security (Epidemic and Agent Based Modeling)

Computer Hardware

(ii) Research Completed but not yet published

- a. Modeling Reoccurrence of Covid19 and its Variants using Recurrent Neural Network(RNN)
- b. A formalized Methodology for the Progression from Analytical Modeling, Agent Modeling and to Recurrent Neural Network Modeling for Hypothetical Cases.
- c. An Essential Tool for Computer Troubleshooting and Upgrading.
- d. Credit Card Fraud Detection using Deep Learning
- e. Comparison of the Efficiency of AES Implementation on two Web Platforms using Java and Nodejs
- f. Comparative Analysis of Decision Tree, Random Forest, Support Vector Machine and K- nearest Neighbor in Improving Network Security using Keystroke Dynamic

(iii) Research in Progress

- a. Development of Communication Networks' Epidemic Forecasting Models Using Synthetic Agent-Based Datasets.
- b. Application of Agent Based Datasets to Deep Learning Network: A Review
- d. Development of Attenuation Models in Guided and Unguided Transmission Media.
- e. Prediction of Student Academic performance using Fuzzy Logic

09. PUBLICATIONS

(i) Thesis / and Dissertations

- a. Development of an Online Airline Reservation System (A case study of Nigerian Airways Lagos) B. Sc .Project, University of Uyo, Uyo Akwa-Ibom State Nigeria. (2006) .
- b. Development of University Information Management System Incorporating Detailed Feedback Mechanism. M.Sc. Dissertation. Nnamdi Azikiwe University Awka, Nigeria (2017)

(ii) Journal in print

1. Daniel U, Macdonald N., Ugwunna C., & Celestine O. (2015). Reducing Internal Banking Fraud using Smart Cards and Biometrics as Access Control Tools in IJARCCCE, Volume 4, Issue 6, June 2015.available online at: <https://www.ijarcce.com/upload/2015/june-15/IJARCCCE%20114.pdf>

2. Moses O. Onyesolu., Macdonal N. Onyeizu., Celestine O., Uwa, & **Ugwunna C. Okechukwu.**(2015) . Weapons and Explosives Information Tracking and Alerting System: A Real-Time Approach in IJARCCCE, Volume 4, Issue 5 May 2015. Available online at: <https://ijarcce.com/recent-issue-may-2015>
3. Iduh Blessing N., Ositanwosu Obiajulu E., & **Ugwunna Charles O.** (2018). Real-Time Vehicle Inspection and Security Management System. *Journal of Computer Trends and Technology (IJCTT International) – Volume X Issue Y- Month 2018*
- 4 Nzeribe, S.O.1 and **Ugwunna, C.O** (2019) On the Development of an Online Based Quality Assurance System for Maternal and Child Health Care Providers. **Journal of Basic Physical Research** Vol. 9., No 2, July 2019; 139-154. Published by Faculty of Physical Sciences Nnamdi Azikiwe University Awka .

(iii) Books

A. (TETFUND SPONSORED)

1. **Ugwunna C.O.**, & Amos A.G. (2020). Computer Hardware Maintenance Manual for Science and Engineering Students. Jalingo: Tarab State University press.
2. Kamal A.B. & **Ugwunna C.O.** (2020). Information Science for the Digital Age. Jalingo: Taraba State University Press.

B. (NOT SPONSORED BY TETFUND)

3. **Ugwunna C.O.** (2012). Computer Troubleshooting, Maintenance and Upgrading: Enugu Nigeria.
4. **Ugwunna C.O.**, Kamal A.B., & Okimba P.E. (2018). Understanding Digital electronics Enugu Nigeria.
5. **Ugwunna C.O.**, Ejiga J., & Okimba P.E. (2019). Computer Practical Networking Volume 1: Enugu Nigeria.
6. **Ugwunna C.O.** (2019). Comprehensive Manual on Introduction to Computer Volume 1.

10. EDITED CONFERENCE PROCEEDINGS

- a. O. Salako, O., Folorunso., A. Adejimi & **U. Charles.** (2021). Art Education Post COVID -19: Augmented Reality Technology Application in Building Students' Creativity Skills. Proceedings of 4th International Conference on Information Technology in Education and Development 2021. Available online at: <http://event.academaiinformationtechnology.org/proceedings.pdf>
- b. Salako O. S, Ngobigha F. & **Ugwunna C.** (2020). An End-User programming Approach for customising Virtual Innovation Labs. Proceedings of Nigeria Computer Society EATI Conference 2020. Available online at <https://library.Ncs.Org/conference-proceedings-volume-31-september2020>
- c. Tajudeen A., Rebecca V., **Ugwunna C.**, Lateefat A., & Olusegun F. (2020). An Ontology-based Knowledge Acquisition Model for Software Anomalies Systems: Proceedings of 20 International

- d. 3rd International Conference of Applied Information Technology (AIT). Conference of Nigeria Computer Society (NCS) Ogun State Chapter, Nigeria, 8-10 October 2019.

EXTRA-CURRICULAR ACTIVITIES

Researching, Reading, and Repairing Computers

11. NAME OF REFEREES AND THEIR ADDRESSES

1. Professor Akinwale Adio Taofeek

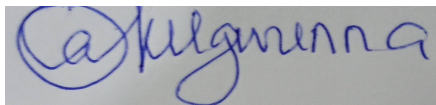
Dean College of Physical Sciences
Federal University of Agriculture Abeokuta, Ogun State
08062867612, akinwaleate@funaab.edu.ng

2. Professor Onyesolu Moses. OKechukwu

Department of Computer Science,
Nnamdi Azikiwe University Awka, UNIZIK
08039536257

3. Prof (Mrs) V. E. Ejiofor

Computer Science Department,
Nnamdi Azikiwe University Awka. UNIZIK
+2348035611654, Virguche2004@yahoo.com



Signature

17/10/2021

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Date

